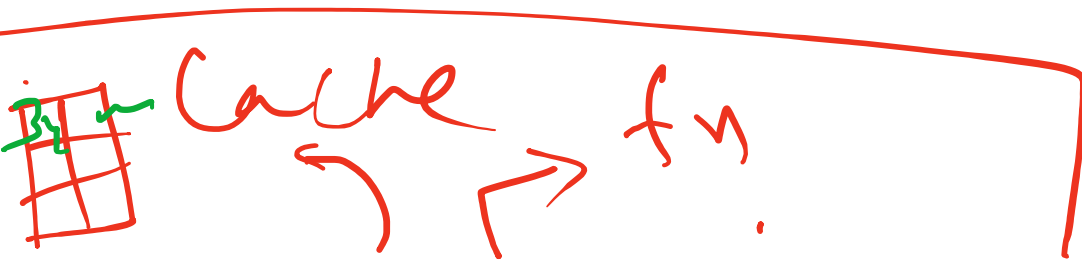


```
function memoize<T,R>(fn:(arg:T) => R) {  
  ✓ var cache ={};  
    return function(arg:T) {  
      // @ts-ignore  
      if(!cache[arg]) {  
        // @ts-ignore  
        cache[arg] = fn(arg);  
      }  
      // @ts-ignore  
      return cache[arg];  
    }  
  }  
}
```



```
let memFib = memoize(fibanocci);
```

```
console.time("first");
```

```
    console.log(memFib(34));
```

```
console.timeEnd("first");
```

```
console.time("second");
```

```
    console.log(memFib(34));
```

```
console.timeEnd("second");
```